

L70
25°C

187,000 Hours

NOTES:

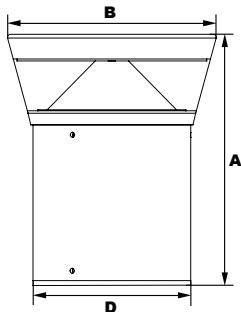
FIXTURE TYPE:

PROJECT:

NB1Q - Round Low Profile
Pathway Bollard

NB2Q - Square Low Profile Pathway Bollard

DIMENSIONS



Dimensions

Width (B)	9 1/4" (234mm)
Diameter (D)	7" (180mm)
Height (A)	10" (254mm)

PRODUCT DESCRIPTION

The NB1Q and NB2Q EasyLED Low Profile Pathway Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace incandescent and halogen pathway lighting. These fixtures are ideal for retail centers, parks, schools and universities, public transit and airports, office buildings and medical facilities.

FEATURES

Housing:

Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat Top, Internal Driver Tray for Easy Maintenance.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

Finish:

Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Reflector:

Reflective White UV-Stabilized Polycarbonate Cone Reflector

Lens:

Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8 Anchor Bolts, Included.

EasyLED LED:

Aluminum Boards

Wattage:

Array: 16w, System: 17.7w (up to 70w HID equivalent)
Array: 23w, System: 24.8w (up to 70w HID equivalent)
Array: 34w, System: 37.2w (up to 70w HID equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Warranty:

5-Year Warranty for -20°C to +40°C Environment.
See Page 2 for Projected Lumen Maintenance Table.

ORDERING INFORMATION

EXAMPLE: NB1Q-F-1X34-U-4K-C-Z-10-SF

Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
NB1Q = Round Low Profile Pathway Bollard NB2Q = Square Low Profile Pathway Bollard	F = Wide Beam Spread	1X16 = 16w 1X23 = 23w 1X34 = 34w	U = 120-277V C = 347V* H = 1347-480V* *23w Model Only *34w Model Only	3K = 3000K 4K = 4000K	C = Clear UV-Stabilized Polycarbonate Array Lens L = SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens	Z = Bronze B = Black C = Custom (Consult Factory)	10 = 10" Height C = Custom* *Consult factory. Minimum NEC requirements for wiring space and above ground level must be met.	SF = Single Fuse* DF = Double Fuse* SP = Surge Protection *120-277V Only

ACCESSORIES & REPLACEMENT PARTS

Mounting Accessories (Order Separately, Field Installed)

BOLAN4	Mounting Kit, Includes Bracket & Three 4" Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three 8" Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three 12" Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three 15" Anchor Bolts



BOLAN

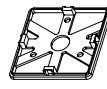
Replacement Parts (Order Separately, Field Installed)

BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits NB1.
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits NB2.

*Specify Color: Z=Bronze, B=Black, C=Custom
(Consult Factory)

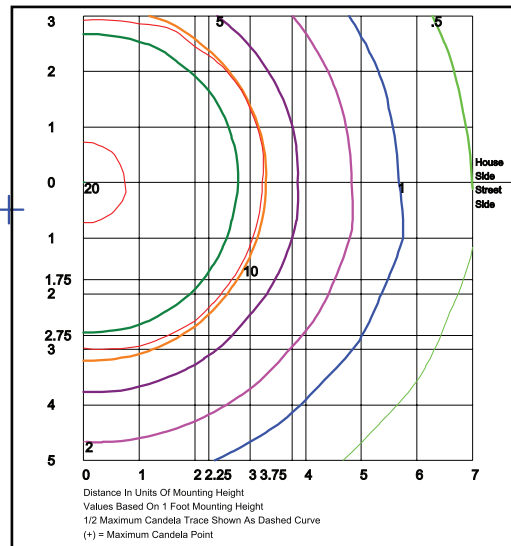


BORBASE



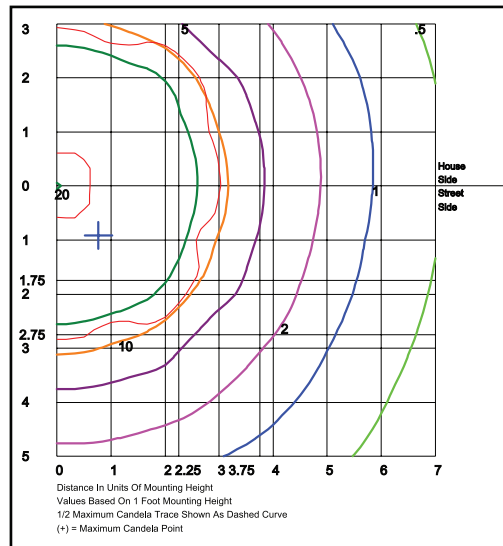
BOSBASE

PHOTOMETRIC DATA



NB1QF1X34U4KC

Grid in feet, Mounting Height=1ft.



NB2QF1X34U4KC

Grid in feet, Mounting Height=1ft.

PHOTOMETRIC PERFORMANCE

Wattage (Catalog Logic)		16W (1X16)	23W (1X23)	34W (1X34)
Input Watts		17.7W	24.8W	37.2W
Optic	CCT	Delivered Lumens		
NB1 with Clear Polycarbonate F=Type V Optic	3000K	1,406	1,968	2,952
	4000K	1,525	2,135	3,202
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
NB1 with LumaLens F=Type V Optic	3000K	899	1,258	1,888
	4000K	975	1,365	2,047
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2

Wattage (Catalog Logic)		16W (1X16)	23W (1X23)	34W (1X34)
Input Watts		17.7W	24.8W	37.2W
Optic	CCT	Delivered Lumens		
NB2 with Clear Polycarbonate F=Type V Optic	3000K	1,432	2,005	3,008
	4000K	1,554	2,175	3,263
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2
NB2 with LumaLens F=Type V Optic	3000K	864	1,210	1,816
	4000K	938	1,313	1,969
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2

PROJECTED LUMEN MAINTENANCE

Data shown for 4000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
NB1/NB2 L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 34w	1.00	0.96	0.92	0.84	187,000
NB1/NB2 L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.87	0.73	113,000
NB1/NB2 L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.97	0.93	0.86	144,000

NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.